

Appl. No. 09/814,270
Amdt. Dated September 14, 2004
Reply to Office action of June 14, 2004
Attorney Docket No. P13307-US2
EUS/J/P/04-3205

Amendments to the Claims:

This listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method in a telecommunications network for downloading information to a ~~selected mobile station, said telecommunication network associated with a number of first cells in a location area, wherein each first cell is associated with a first communication system, wherein a given first cell has a neighboring second cell associated with a second communication system, and wherein both multimode and single mode mobile stations are disposed to enter and move through said location area into proximate relationship with said given first cell, a method for downloading information to a selected multimode mobile station operating in a location area comprised of cells having a first communication system and neighboring cells having a second communication system,~~ comprising the steps of:

receiving a registration procedure request from said ~~selected~~ mobile station within a cell in said location area having the first communication system;

determining whether the selected mobile station is a multimode mobile station capable of communicating with both the first communication system and the second ~~communication system; communication system or whether the selected mobile station is a single mode mobile station capable only of communicating with the first communication system;~~

responsive to the determination that the mobile station is a multimode mobile station, downloading a flag to the multimode mobile station to provide notice of said a neighboring cell, ~~second cell~~ having a second communication system, wherein notice of the second communication system is not provided to any single mode mobile stations, ~~to said selected mobile station in response to said registration procedure request; and if said selected mobile station is a multimode mobile station while~~

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~~withholding said notice of said neighboring second cell from the selected mobile station if said selected mobile station is only capable of communicating with the first communication system.~~

2. (Currently Amended) The method of claim 1 wherein:

said multimode ~~selected~~ mobile station commences measurements directed to said second cell in response to said notice.

3. (Canceled)

4. (Currently Amended) The method of claim 1 ~~[[3]]~~ wherein:

said flag comprises a single bit transmitted to said selected mobile station by means of a BCCH carrier.

5. (Original) The method of claim 1 wherein:

said step of providing notice comprises downloading a list of first cells which respectively have second cell neighbors to said selected mobile station.

6. (Currently Amended) The method of claim 5 wherein:

said list is downloaded to said multimode ~~selected~~ mobile station in connection with a Location Area Updating procedure commenced when said multimode ~~selected~~ mobile station enters said location area.

7. (Currently Amended) The method of claim 1 wherein said step of providing notice comprises:

supplying a list of first cells in said location area to said multimode ~~selected~~ mobile station; and

downloading a pointer to said multimode ~~selected~~ mobile station to identify first cells on said list which respectively have neighboring ~~second cells~~.

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8. (Currently Amended) The method of claim 7 wherein:
said pointer is transmitted to said multimode ~~selected~~ mobile station by means of
a BCCH carrier.

9. (Currently Amended) The method of claim 1 wherein said step of
providing notice comprises:
transmitting a flag to said multimode ~~selected~~ mobile station to direct said
multimode ~~selected~~ mobile station to generate a download request message; and
downloading information pertaining to said neighboring ~~second~~ cell in response
to said download request message.

10. (Currently Amended) The method of claim 1 wherein:
at least some of said ~~specified~~ information comprises intersystem cell reselection
parameters which are downloaded to said multimode ~~selected~~ mobile station by means
of a MM specific procedure.

11. (Currently Amended) The method of ~~Claim~~ claim 1 wherein:
said first communication system comprises a Global System for Mobile
communications (GSM) system ~~the GSM~~, and said second communication system
comprises a Universal Mobile Telecommunications System ~~the UMTS~~.

12. (Currently Amended) The method of claim 11 wherein:
at least some of said ~~specified~~ information comprises information needed by said
multimode ~~selected~~ mobile station to prepare for handover and cell reselection from
said GSM system to said UTMS system.

13. (Currently Amended) The method of claim 1 wherein:
said network downloads a list of neighboring ~~second~~ cells in said location area to
said multimode mobile station during a location updating procedure.

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14. (Currently Amended) The method of claim 1 wherein:
at least some of said ~~specified~~ information comprises frequency and scrambling code combinations for each neighboring ~~second~~ cell within said location area, each of said frequency and scrambling code combinations being downloaded to said multimode mobile station by means of a multimode (MM) specific procedure.

15. (Currently Amended) The method of ~~Claim~~ claim 11, wherein said registration procedure is one of:

Location Updating performed when the multimode ~~selected~~ mobile station enters the location area;

Periodic Location Registration;

IMSI attach/detach; and

Routing Area Update.

16. (Currently Amended) The method of ~~Claim~~ claim 11, wherein said notice is provided by downloading UMTS neighboring cell information for said Location Area to the multimode ~~selected~~ mobile station.

17. (Currently Amended) The method of ~~Claim~~ claim 16, wherein said UMTS neighboring cell information includes frequency and scrambling code combinations, together with intersystem cell reselection parameters for all UMTS neighboring cells within said Location Area.

18. (Currently Amended) The method of ~~Claim~~ claim 16, wherein said UMTS neighboring cell information includes information about a service capability of UMTS cells.

19. (Currently Amended) The method of ~~Claim~~ claim 11, wherein said notice is provided by downloading a list of GSM cells that have UMTS neighbors.

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20. (Currently Amended) The method of ~~Claim~~ claim 19, wherein additional UMTS neighboring cell information is downloaded to the multimode selected mobile station upon said mobile station performing Location Updating based on the pre-stored list of GSM cells that have UMTS neighbors.

21. (Currently Amended) The method of claim 1 [[3]], further comprising the step of performing measurements of at least one UMTS neighboring cell in response to said flag.

22. (Previously Presented) The method of claim 21, wherein said flag is transmitted by means of a BCCH carrier.

23. (Canceled)